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FIMS to CAIS Update

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FIMS to CAIS Update Program Requirements Overview

- Listed in Top Five in July 2006
- CAIS Requirements Document for "FIMS to CAIS Update Program"
- Draft requirements document written in November 2008
- Requirements finalized on December 10, 2008
  - December 2008 CAIS User's Group conference call
  - Remove a few columns from the update program
- Developed and tested between December 15, 2008 and January 25, 2009.
- Promoted to production January 27, 2009 as part of CAIS Release 1.18

Replacement Plant Values and Data Formatting:

- Requirement 6.
  - FIMS stores RPVs to the penny.
  - The RPV is rounded to whole dollar when stored in CAIS.
- Requirement 7. Nevada site requires special formatting of property names when stored in CAIS. The FIMS property name is concatenated with FIMS property alternate name.
  - FIMS_TBL_PROPERTY.PROP_NAME column
  - FIMS_TBL_PROPERTY.PROP_NAME_ALT column

Identifying FIMS Data Updates:

- Requirement 2, 3, 5, 9, 10, 11
- CAIS_SITE_ASSETS audit columns
  - ARCHIVED_IN_FIMS_DATE column stores the date/time of when the CAIS asset was **archived** in FIMS.
  - ADDED_FROM_FIMS_DATE column stores the date/time of when a FIMS property was **added** to CAIS.
  - LAST_MODIFIED_BY_FIMS_DATE column stores the date/time of when a FIMS property **update** was processed in CAIS.
  - LAST_FIMS_AUTO_UPDATE_DATE column stores the date/time of *any* change that occurred on the FIMS property for the corresponding CAIS asset.

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Site Control:

Sites have the ability to control whether they receive updates from FIMS.

- Requirement 12
- CAIS_SITES.UPDATE_ALL_FROM_FIMS_FLAG column
  - If this field equals 'N' then there will be no updates from FIMS for leased property for that site.
  - If this field equals 'Y' then there will be updates from FIMS for that site.

FIMS to CAIS Crosswalk

FIMS Table	FIMS Field	CAIS Table	CAIS Field
FIMS_TBL_OSF	POSF_STRUCTURE_RPV	CAIS_SITE_ASSETS	AS_REPL_PLANT_VALUE
FIMS_TBL_BUILDING	PBLD_BUILDING_RPV	CAIS_SITE_ASSETS	AS_REPL_PLANT_VALUE
FIMS_TBL_BUILDING	PBLD_GROSS_SQFT	CAIS_SITE_ASSETS	AS_GROSS_SQFT
FIMS_TBL_BUILDING	PBLD_RPV_MODEL	CAIS_SITE_ASSETS	AS_MT_CODE
FIMS_TBL_BUILDING	PBLD_YEAR_BUILT	CAIS_SITE_ASSETS	AS_YEAR_BUILT
FIMS_TBL_PROPERTY	PROP_PROPERTY_ID	CAIS_SITE_ASSETS	AS_ID
FIMS_TBL_PROPERTY	PROP_NAME	CAIS_SITE_ASSETS	AS_NAME
FIMS_TBL_PROPERTY	PROP_PROGRAM	CAIS_SITE_ASSETS	AS_HQPO_PROGRAM_OFFICE
FIMS_TBL_PROPERTY	PROP_MISSION_ESSENTIAL	CAIS_SITE_ASSETS	AS_ESSENTIAL_PO_MSN_CODE
FIMS_TBL_PROPERTY	PROP_STATUS	CAIS_SITE_ASSETS	AS_CMST_STATUS_CODE
FIMS_TBL_PROPERTY	PROP_USAGE_CODE	CAIS_SITE_ASSETS	AS_UC_CODE

FIMS to CAIS Update Program

The following triggers make up the FIMS to CAIS Update Program.

- *Fimstocais_building trigger*
- *Fimstocais_osf trigger*
- *Fimstocais_property_del trigger*
- *Fimstocais_property_ins trigger*
- *Fimstocais_property_upd trigger*

FIMSTOCAIS_OSF trigger

```
1.    create or replace trigger fims.fimstocais_osf
```

```
1.    create or replace trigger fims.fimstocais_osf
2.    after insert or update of posf_structure_rpv
3.    on fims.fims_tbl_osf
4.    for each row
```

```
10.        from
11.          fims.fims_tbl_property prop,
12.          cais.cais_site_assets asst,
13.          cais.cais_sites          sites,
14.          cais.cais_site_areas  areas
15.      where areas.area_id        = asst.as_area_id
16.      and    areas.area_csit_id = asst.as_csit_id
17.      and    areas.area_csit_id = sites.csit_id
18.      and    asst.as_id          = prop.prop_property_id
19.      and    nvl(areas.fims_site_number,
```

```
26.      update cais.cais_site_assets
27.      set as_repl_plant_value = round(:new.posf_structure_rpv,0),
28.          last_modified_by_fims_date = sysdate,
29.          last_fims_auto_update_date = sysdate
30.      where as_csit_id = rec_cur_osf.as_csit_id
31.      and    as_key_seq = rec_cur_osf.as_key_seq;
```

```
30.      where as_csit_id = rec_cur_osf.as_csit_id
31.      and    as_key_seq = rec_cur_osf.as_key_seq;
32.    end loop;
33.  end;
```

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References

For more information about the version of Oracle database used by FIMS and CAIS go to:
http://www.oracle.com/technology/documentation/oracle9i.html

- *Oracle Database Concepts manual.*
  - *Chapter 17 "Triggers".*
- *Oracle Application Developer's Guide – Fundamentals manual.*
  - *Chapter 15 "Using Triggers".*

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